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PHILADELPHIA, PA 19103

EXAMINER

RILEY, MARCUS T

ART UNIT	PAPER NUMBER
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2625

MAIL DATE	DELIVERY MODE
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10/31/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/799,495

Applicant(s)

SANDO, KEIICHI

Examiner

Marcus T. Riley

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>attached</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. **Claims 1-3 and 11-13** are rejected under 35 U.S.C. 103(a) as being unpatentable over Gassho et al. (US 7,180,626 B1 hereinafter, Gassho '626) in combination with Matsueda (US 2003/0133152 A1 hereinafter, Matsueda '152).

Regarding claim 1; Gassho '626 discloses a print system comprising: a printer monitoring unit which monitors whether there is a change in shared printers for executing a printing process from a client or not (*"The present invention relates to a printing system where a plurality of printing apparatuses, each including a printing mechanism and a spool buffer, and at least one information processing apparatus outputting a print job are mutually connected."* column 1, lines 6-9). See also (*"The available printer specification unit 650 then informs the available printer monitor unit 651 of a printer ID assigned to the selected available printer [c]. When there is no available printer, information representing the fact (for example, 'no availability') is notified."* column 18, lines 29-33).

Gassho '626 does not expressly disclose a notifying unit which, in the case where the change is detected by said printer monitoring unit and notifies said client that there is the change in shared printers.

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Matsueda '152 discloses a notifying unit which, in the case where the change is detected by said printer monitoring unit *"monitoring means for monitoring the job information inputted and registered in the memory box; and deletion instructing means for instructing the printer apparatus to delete the registered job information in accordance with a managing state of the job information which is monitored by the monitoring means..."* page 1, paragraph 0015); notifies said client that there is the change in shared printers (*"the notifying means notifies the client apparatus of the inputted printer apparatus information..."* page 1, paragraph 0016).

Gassho '626 and Matsueda '152 are combinable because they are from same field of endeavor of network printer systems (*"The invention relates to a server apparatus which can communicate with a printer apparatus connected to a network..."* Matsueda '152 at page 1, paragraph 0002).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network printer system as taught by Gassho '626 by adding a notifying unit which, in the case where the change is detected by said printer monitoring unit and notifies said client that there is the change in shared printers as taught by Matsueda '152.

The motivation for doing so would have been to freely construct a job processing environment having high usefulness which can establish a system for developing a remote print service (*"...to freely construct a job processing environment having high usefulness which can establish a system for developing a remote print service."* Matsueda '152 at column 5, lines 1-2).

Therefore, it would have been obvious to combine Gassho '626 with Matsueda '152 to obtain the invention as specified in claim 1.

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Regarding claim 2; Gassho '626 discloses a shared printer information storing unit which stores shared printer information, and wherein said printer monitoring unit compares received printer information with the shared printer information stored in said shared printer information storing unit, thereby discriminating that the change occurred in the printers (*"...a job status monitor unit 111 stores the monitoring results of the job status transmitted from the respective printers 50, 60, and 70 and monitors the congestion status of the print jobs stored in each buffer 55. A printer status monitor unit 112 stores the monitoring results of the printer status transmitted from the respective printers 50, 60, and 70 and monitors the working status of each printing mechanism 51. In the above discussion, it is explained that the print load distribution apparatus 80 monitors the printer status and the job status with regard to the three printers 50, 60, and 70 among the plurality of printers connected to the computer network 90. In the actual operations, however, printer IDs for identifying the respective printers of interest, which are the objects to be monitored, have been stored in advance in a group information storage unit 113 included in the print load distribution apparatus 80. (In this embodiment, printer IDs of the three printers 50, 60, and 70 have been stored). The print load distribution unit 80 refers to the printer IDs and monitors the printer status and the job status of any desired printer. The printer IDs may be replaced by any piece of information for identifying the respective printers; for example, network addresses or IP addresses."* column 10, lines 58-67 thru column 11, lines 1-13)..

Regarding claim 3; Gassho '626 discloses where if said change indicates deletion of one of the shared printers, said notifying unit notifies said client that said shared printer has been deleted (*"The procedure of the second embodiment, on the other hand, specifies the destination*

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printer in the range of the two computer systems 500A and 500B (that is, in the range of the computer systems defined as the fields by the available printer monitor units 651), based on the contents of the table tb1 notified by the available printer monitor units 651. The procedure searches for any available printers that have sufficiently short queues of print jobs and are not in the error status in the range of the two computer systems 500A and 500B, based on the contents of the table tb1. If there is any available printer, the available printer is specified as the destination printer. In the case where available printers are found in both the computer systems 500A and 500B, the available printer included in its own computer system 500A is preferentially specified as the destination printer.” column 19, lines 25-40).

Regarding claim 11; Gassho ‘626 discloses a printer setting method, comprising: monitoring whether there is a change in shared printers for executing a printing process from a client or not, by a printer monitoring unit (“*The present invention relates to a printing system where a plurality of printing apparatuses, each including a printing mechanism and a spool buffer, and at least one information processing apparatus outputting a print job are mutually connected.*” column 1, lines 6-9). See also (“*The available printer specification unit 650 then informs the available printer monitor unit 651 of a printer ID assigned to the selected available printer [c]. When there is no available printer, information representing the fact (for example, ‘no availability’) is notified.*” column 18, lines 29-33).

Gassho ‘626 does not expressly disclose notifying said client that there is the change in shared printers, by a notifying unit, in the case where the change is detected by said printer monitoring unit, and notifies said client that there is the change in shared printers.

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Matsueda '152 discloses notifying said client that there is the change in shared printers, by a notifying unit, in the case where the change is detected by said printer monitoring unit (*"monitoring means for monitoring the job information inputted and registered in the memory box; and deletion instructing means for instructing the printer apparatus to delete the registered job information in accordance with a managing state of the job information which is monitored by the monitoring means..."* page 1, paragraph 0015); notifies said client that there is the change in shared printers (*"the notifying means notifies the client apparatus of the inputted printer apparatus information..."* page 1, paragraph 0016).

Gassho '626 and Matsueda '152 are combinable because they are from same field of endeavor of network printer systems (*"The invention relates to a server apparatus which can communicate with a printer apparatus connected to a network..."* Matsueda '152 at page 1, paragraph 0002).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network printer system as taught by Gassho '626 by adding a notifying said client that there is the change in shared printers, by a notifying unit, in the case where the change is detected by said printer monitoring unit and notifies said client that there is the change in shared printers as taught by Matsueda '152.

The motivation for doing so would have been to freely construct a job processing environment having high usefulness which can establish a system for developing a remote print service (*"...to freely construct a job processing environment having high usefulness which can establish a system for developing a remote print service."* Matsueda '152 at column 5, lines 1-2).

Therefore, it would have been obvious to combine Gassho '626 with Matsueda '152 to obtain the invention as specified in claim 1.

Regarding claim 12; Gassho '626 discloses storing shared printer information by a shared printer information storing unit, wherein said printer monitoring unit compares received printer information with the shared printer information stored in said shared printer information storing unit, thereby discriminating that the change occurred in the printers (*"...a job status monitor unit 111 stores the monitoring results of the job status transmitted from the respective printers 50, 60, and 70 and monitors the congestion status of the print jobs stored in each buffer 55. A printer status monitor unit 112 stores the monitoring results of the printer status transmitted from the respective printers 50, 60, and 70 and monitors the working status of each printing mechanism 51. In the above discussion, it is explained that the print load distribution apparatus 80 monitors the printer status and the job status with regard to the three printers 50, 60, and 70 among the plurality of printers connected to the computer network 90. In the actual operations, however, printer IDs for identifying the respective printers of interest, which are the objects to be monitored, have been stored in advance in a group information storage unit 113 included in the print load distribution apparatus 80. (In this embodiment, printer IDs of the three printers 50, 60, and 70 have been stored). The print load distribution unit 80 refers to the printer IDs and monitors the printer status and the job status of any desired printer. The printer IDs may be replaced by any piece of information for identifying the respective printers; for example, network addresses or IP addresses."* column 10, lines 58-67 thru column 11, lines 1-13).

Regarding claim 13; Gassho '626 discloses where if said change indicates deletion of one of the shared printers, said notifying unit notifies said client that said shared printer has been

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deleted (*"The procedure of the second embodiment, on the other hand, specifies the destination printer in the range of the two computer systems 500A and 500B (that is, in the range of the computer systems defined as the fields by the available printer monitor units 651), based on the contents of the table tbl notified by the available printer monitor units 651. The procedure searches for any available printers that have sufficiently short queues of print jobs and are not in the error status in the range of the two computer systems 500A and 500B, based on the contents of the table tbl. If there is any available printer, the available printer is specified as the destination printer. In the case where available printers are found in both the computer systems 500A and 500B, the available printer included in its own computer system 500A is preferentially specified as the destination printer."* column 19, lines 25-40).

3. **Claim 4 and 14** are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Gassho '626 and Matsueda '152 as applied to claim 1 above, and further in view of Drummond '449 et al. (US 7,162,449 hereinafter, Drummond '449).

Regarding claim 4; Gassho '626 and Matsueda '152 does not expressly disclose where said notifying unit notifies said client of a name of the deleted printer and a name of a print server by E-mail.

Drummond '449 discloses where said notifying unit notifies said client of a name of the deleted printer and a name of a print server by E-mail (*"...the fault and status messages may be monitored from terminals at locations anywhere that are connected in the network. The mini-HTTP server handling status and fault messages may also be configured to send an e-mail or similar message to a selected address whenever a particular condition or group of conditions exist."* column 29, lines 47-53).

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Gassho '626 and Matsueda '152 are combinable with Drummond '449 because they are from same field of endeavor of network systems ("*system that is capable of use in a wide area network...*" Drummond '449 at column 1, lines 20-21).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network system as taught by Gassho '626 by adding where said notifying unit notifies said client of a name of the deleted printer and a name of a print server by E-mail as taught by Drummond '449.

The motivation for doing so would have been to enable messages to be communicated between distant locations ("*Communication over wide area networks enables messages to be communicated between distant locations.*" Drummond '449 at column 2, lines 27-28).

Therefore, it would have been obvious to combine Gassho '626 and Matsueda '152 with Drummond '449 to obtain the invention as specified in claim 1.

Regarding claim 14; Drummond '449 discloses where said notifying unit notifies said client of a name of the deleted printer and a name of a print server by E-mail ("*...the fault and status messages may be monitored from terminals at locations anywhere that are connected in the network. The mini-HTTP server handling status and fault messages may also be configured to send an e-mail or similar message to a selected address whenever a particular condition or group of conditions exist.*" column 29, lines 47-53).

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4. **Claims 5 and 15** are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Gassho '626 and Matsueda '152 as applied to claim 1 above, and further in view of Matsueda '152.

Regarding claim 5; Gassho '626 and Matsueda '152 as modified, does not expressly disclose where if said change indicates a change in shared name of one of the shared printers, said notifying unit notifies said client that the shared printer name has been changed.

Matsueda '152 discloses where if said change indicates a change in shared name of one of the shared printers, said notifying unit notifies said client that the shared printer name has been changed ("*...the server apparatus further comprises searching means for searching whether a printer apparatus which can process the job information exists on the network or not when it is confirmed by the confirming means that the memory box cannot be formed, wherein when the printer apparatus which can form the memory box is searched by the searching means, the notifying means notifies the client apparatus of the printer management information including the box number of the memory box formed in the printer apparatus.*" page 2, paragraph 0020).

Gassho '626 and Matsueda '152 are combinable with Matsueda '152 because they are from same field of endeavor of network printer systems ("*The invention relates to a server apparatus which can communicate with a printer apparatus connected to a network...*" Matsueda '152 at page 1, paragraph 0002).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network printer system as taught by Gassho '626 by adding where if said

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change indicates a change in shared name of one of the shared printers, said notifying unit notifies said client that the shared printer name has been changed as taught by Matsueda '152.

The motivation for doing so would have been to provide a job processing environment in which the user of the client apparatus can uniquely process the job information at a high speed (*"...and a job processing environment in which the user of the client apparatus can uniquely process the job information at a high speed can be freely constructed."* Matsueda '152 at page 1, paragraph 0011).

Therefore, it would have been obvious to combine Gassho '626 and Matsueda '152 with Matsueda '152 to obtain the invention as specified in claim 1.

Regarding claim 15; Matsueda '152 discloses where if said change indicates a change in shared name of one of the shared printers, said notifying unit notifies said client that the shared printer name has been changed (*"...the server apparatus further comprises searching means for searching whether a printer apparatus which can process the job information exists on the network or not when it is confirmed by the confirming means that the memory box cannot be formed, wherein when the printer apparatus which can form the memory box is searched by the searching means, the notifying means notifies the client apparatus of the printer management information including the box number of the memory box formed in the printer apparatus."* page 2, paragraph 0020).

5. **Claim 6 and 16** are rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Gassho '626 and Matsueda '152 as applied to claim 1 above, and further in view of Drummond '449.

Regarding claim 6; Gassho '626 and Matsueda '152 as modified does not expressly disclose where said notifying unit notifies said client of information of a deleted printer and an added printer by E-mail.

Drummond '449 discloses where said notifying unit notifies said client of information of a deleted printer and an added printer by E-mail ("*...the fault and status messages may be monitored from terminals at locations anywhere that are connected in the network. The mini-HTTP server handling status and fault messages may also be configured to send an e-mail or similar message to a selected address whenever a particular condition or group of conditions exist.*" column 29, lines 47-53).

Gassho '626 and Matsueda '152 are combinable with Drummond '449 because they are from same field of endeavor of network systems ("*system that is capable of use in a wide area network...*" Drummond '449 at column 1, lines 20-21).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network system as taught by Gassho '626 by adding where said notifying unit notifies said client of information of a deleted printer and an added printer by E-mail as taught by Drummond '449.

The motivation for doing so would have been to enable messages to be communicated between distant locations ("*Communication over wide area networks enables messages to be communicated between distant locations.*" Drummond '449 at column 2, lines 27-28).

Therefore, it would have been obvious to combine Gassho '626 and Matsueda '152 with Drummond '449 to obtain the invention as specified in claim 1.

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Regarding claim 16; Drummond '449 discloses where said notifying unit notifies said client of information of a deleted printer and an added printer by E-mail ("*...the fault and status messages may be monitored from terminals at locations anywhere that are connected in the network. The mini-HTTP server handling status and fault messages may also be configured to send an e-mail or similar message to a selected address whenever a particular condition or group of conditions exist.*" column 29, lines 47-53).

6. **Claims 7-10 and 17-20 are** rejected under 35 U.S.C. 103(a) as being unpatentable over the combination of Gassho '626 and Matsueda '152 as applied to claim 1 above, and further in view of Matsueda (US 2003/0179404 A1 hereinafter, Matsueda '404).

Regarding claim 7; Gassho '626 and Matsueda '152 does not expressly disclose a program forming unit which forms an installing program and installs it into a predetermined position, and wherein when addition of a shared printer is detected by said printer monitoring unit, said program forming unit forms an installing program of said printer and installs it into a predetermined position.

Matsueda '404 discloses a program forming unit which forms an installing program and installs it into a predetermined position, and wherein when addition of a shared printer is detected by said printer monitoring unit, said program forming unit forms an installing program of said printer and installs it into a predetermined position ("*In step S511, the server apparatus 102 notifies the client apparatus 101 of the password, box number, installing location of the printer B, and the like. Thus, the user can be secretly informed of the box number and the password. In step S512, the client apparatus 101 newly confirms the server apparatus 102 about*

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the situation of the print request. Since the print job has already been transmitted to the printer, in step S512, the server apparatus 102 notifies the client apparatus 101 that "the print data has been transmitted to the printer" or "the print data has already been printed". Thus, even if the memory box is not normally formed, since the memory box is automatically formed in another printer, the user does not need to make the print request again. If the memory box is formed in another printer, the user is notified of it via the client apparatus. Therefore, the user is not confused about into which printer he should enter the password." page 3, paragraph 0057-0059).

Gassho '626 and Matsueda '152 are combinable with Matsueda '404 because they are from same field of endeavor of a network printer systems (*"The invention relates to a print system comprising: a client apparatus such as a personal assistant or the like; a server apparatus which receives a print request from the client apparatus and makes a printing apparatus to print; and the printing apparatus which receives the print request from the client apparatus and prints..."* Matsueda '404 at page 1, paragraph 0002).

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the network printer system as taught by Gassho '626 by adding a program forming unit which forms an installing program and installs it into a predetermined position, and wherein when addition of a shared printer is detected by said printer monitoring unit, said program forming unit forms an installing program of said printer and installs it into a predetermined position as taught by Matsueda '404.

The motivation for doing so would have been to enable the user to execute printing of printed matter in good secrecy (*"...an object of the invention to enable the user to execute printing of printed matter in good secrecy."* Matsueda '404 at page 1, paragraph 0011).

Therefore, it would have been obvious to combine Gassho '626 and Matsueda '152 with Matsueda '404 to obtain the invention as specified in claim 1.

Regarding claim 8; Matsueda '404 discloses where said notifying unit notifies said client of information of the installing position of the installing program together with information of the printer (*"In step S411, the server apparatus 102 notifies the client apparatus 101 of the password, box number, installing location of the printer, and the like. Thus, the user can be secretly informed of the box number and the password. In step S412, the client apparatus 101 newly confirms the server apparatus 102 about the situation of the print request. Since the print job has already been transmitted to the printer, in step S412, the server apparatus 102 notifies the client apparatus 101 that "the print data has been transmitted to the printer" or "the print data has already been printed".*" page 3, paragraphs 0049-0050).

Regarding claim 9; Matsueda '404 discloses where said installing position is a Web page (*"Reference numeral 103 denotes the printer and 105 indicates a remote printer connected by a Web interface. When the print request is received from the user application program, the image data is held in the image managing unit 205, the job information is held in the job managing unit 206, and thereafter, the print request is transmitted to the server apparatus 102."* page 2, paragraph 0039).

Regarding claim 10; Matsueda '404 discloses where said program forming unit forms an installing program for direct printing and installs it into a predetermined position, and said notifying unit notifies said client of information of the installing position (*"In step S411, the server apparatus 102 notifies the client apparatus 101 of the password, box number, installing*

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location of the printer, and the like. Thus, the user can be secretly informed of the box number and the password. In step S412, the client apparatus 101 newly confirms the server apparatus 102 about the situation of the print request. Since the print job has already been transmitted to the printer, in step S412, the server apparatus 102 notifies the client apparatus 101 that "the print data has been transmitted to the printer" or "the print data has already been printed".

page 3, paragraphs 0049-0050).

Regarding claim 17; Matsueda '404 discloses a forming an installing program and installs it into a predetermined position by a program forming unit, wherein when addition of a shared printer is detected by said printer monitoring unit, said program forming unit forms an installing program of said printer and installs it into a predetermined position (*"In step S511, the server apparatus 102 notifies the client apparatus 101 of the password, box number, installing location of the printer B, and the like. Thus, the user can be secretly informed of the box number and the password. In step S512, the client apparatus 101 newly confirms the server apparatus 102 about the situation of the print request. Since the print job has already been transmitted to the printer, in step S512, the server apparatus 102 notifies the client apparatus 101 that "the print data has been transmitted to the printer" or "the print data has already been printed". Thus, even if the memory box is not normally formed, since the memory box is automatically formed in another printer, the user does not need to make the print request again. If the memory box is formed in another printer, the user is notified of it via the client apparatus. Therefore, the user is not confused about into which printer he should enter the password."*

page 3, paragraph 0057-0059).

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Regarding claim 18; Matsueda '404 discloses where said notifying unit notifies said client of information of the installing position of the installing program together with information of the printer (*"In step S411, the server apparatus 102 notifies the client apparatus 101 of the password, box number, installing location of the printer, and the like. Thus, the user can be secretly informed of the box number and the password. In step S412, the client apparatus 101 newly confirms the server apparatus 102 about the situation of the print request. Since the print job has already been transmitted to the printer, in step S412, the server apparatus 102 notifies the client apparatus 101 that "the print data has been transmitted to the printer" or "the print data has already been printed".*" page 3, paragraphs 0049-0050).

Regarding claim 19; Matsueda '404 discloses where said installing position is a Web page (*"Reference numeral 103 denotes the printer and 105 indicates a remote printer connected by a Web interface. When the print request is received from the user application program, the image data is held in the image managing unit 205, the job information is held in the job managing unit 206, and thereafter, the print request is transmitted to the server apparatus 102."* page 2, paragraph 0039).

Regarding claim 20; Matsueda '404 discloses where said program forming unit forms an installing program for direct printing and installs it into a predetermined position, and said notifying unit notifies said client of information of the installing position (*"In step S411, the server apparatus 102 notifies the client apparatus 101 of the password, box number, installing location of the printer, and the like. Thus, the user can be secretly informed of the box number and the password. In step S412, the client apparatus 101 newly confirms the server apparatus 102 about the situation of the print request. Since the print job has already been transmitted to*

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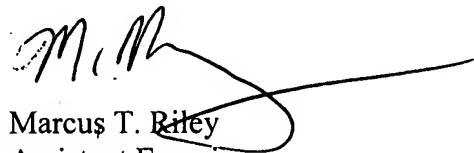
the printer, in step S412, the server apparatus 102 notifies the client apparatus 101 that "the print data has been transmitted to the printer" or "the print data has already been printed"."
page 3, paragraphs 0049-0050).

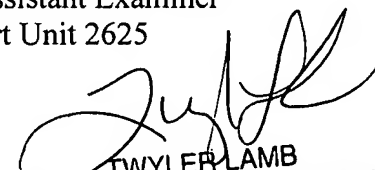
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marcus T. Riley whose telephone number is 571-270-1581. The examiner can normally be reached on Monday - Friday, 7:30-5:00, est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler Lamb can be reached on 571-272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Marcus T. Riley
Assistant Examiner
Art Unit 2625


TWYLER LAMB
SUPERVISOR, PATENT EXAMINER